

**Amendments to the Claims:**

Please cancel claims 1-21 and add new claims 22-39. This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of Claims:**

1. - 21. (Cancelled)

22. (New) A fluid filter cartridge comprising:

- (a) first and second end caps;
- (b) a fluid filter media pack secured to, and extending between, the first and second end caps;
- (c) a communication/sensor circuit completion unit operably positioned on the first end cap;
  - (i) the communication/sensor circuit completion unit being configured to complete a selected communication/signal circuit only when the filter cartridge is properly mounted for use;
  - (ii) the communication/sensor circuit completion unit being an optic circuit completion unit; and,
- (d) an axial flex arrangement positioned on the first end cap and oriented aligned to support the communication/sensor circuit completion unit centrally in the first end cap;
  - (i) the axial flex arrangement being configured to allow for axial float of the communication/sensor circuit completion unit.

23. (New) A fluid filter cartridge according to claim 22 wherein:

- (a) the fluid filter media pack is a liquid filter media pack.

24. (New) A fluid filter cartridge according to claim 23 wherein:

- (a) the first end is an open end cap; and,
- (b) the second end cap is a closed end cap.

25. (New) A fluid filter cartridge according to claim 24 wherein:  
(a) the media defines an interior surrounded by the filter cartridge.
26. (New) A fluid filter cartridge according to claim 22 wherein:  
(a) the axial float arrangement comprises flexible ribs.
27. (New) A fluid filter cartridge according to claim 26 wherein:  
(a) the first end cap includes a collar that houses an o-ring groove.
28. (New) A fluid filter cartridge according to claim 27 wherein:  
(a) the first and second end caps are molded end caps.
29. (New) A fluid filter cartridge according to claim 22 wherein:  
(a) the communication/sensor circuit completion unit is a reflector plug having a reflector surface that is not spherical.
30. (New) A fluid filter cartridge according to claim 29 wherein:  
(a) the communication/sensor circuit completion unit is a reflector plug selected from glass and plastic.
31. (New) A fluid filter cartridge according to claim 30 wherein:  
(a) the reflector plug has a reflector surface that has radial symmetry.
32. (New) A fluid filter cartridge according to claim 31 wherein:  
(a) the fluid filter media pack is a liquid filter media pack;  
(b) the first end is an open end cap;  
(c) the second end cap is a closed end cap; and  
(d) the media defines an interior surrounded by the filter cartridge.
33. (New) A fluid filter assembly comprising:  
(a) a filter head having a fluid inlet and a fluid outlet;

- (b) a cartridge-style filter assembly removably mounted on the filter head; the cartridge style filter assembly comprising:
    - (i) a housing; and,
    - (ii) a fluid filter cartridge comprising:
      - (A) first and second end caps;
      - (B) a fluid filter media pack secured to, and extending between, the first and second end caps;
      - (C) a communication/sensor circuit completion unit operably positioned on the first end cap;
        - (1) the communication/sensor circuit completion unit being configured to complete a selected communication/signal circuit only when the filter cartridge is properly mounted for use;
        - (2) the communication/sensor circuit completion unit being an optic circuit completion unit; and,
      - (D) an axial flex arrangement positioned on the first end cap and oriented aligned to support the communication/sensor circuit completion unit centrally in the first end cap;
        - (1) the axial flex arrangement being configured to allow for axial float of the communication/sensor circuit completion unit.
34. (New) A fluid filter assembly according to claim 33 wherein:
- (a) the axial float arrangement comprises flexible ribs.
35. (New) A fluid filter assembly according to claim 34 wherein:
- (a) the first end cap includes a collar that houses an o-ring groove.
36. (New) A fluid filter assembly according to claim 35 wherein:
- (a) the first and second end caps are molded end caps.

37. (New) A fluid filter assembly according to claim 36 wherein:
- (a) the communication/sensor circuit completion unit is a reflector plug having a reflector surface that is not spherical.
38. (New) A fluid filter assembly according to claim 37 wherein:
- (a) the communication/sensor circuit completion unit is a reflector plug selected from glass and plastic.
39. (New) A fluid filter assembly according to claim 38 wherein:
- (a) the reflector plug has a reflector surface that has radial symmetry.